

Claims

1. A vinyl halide film comprising (A) at least one vinyl halide polymer, (B) at least one non-halogenated polymeric plasticizer and (C) at least one second plasticizer, wherein a major amount of the polymers of the film comprise the vinyl halide polymer (A) and wherein the film has an elongation of at least about 50%.
2. The film of claim 1 wherein (A) is a homopolymer or copolymer of at least one vinyl chloride.
3. The film of claim 1 wherein (A) is at least one polyvinyl chloride.
4. The film of claim 1 wherein the non-halogenated polymeric plasticizer (B) is a natural or synthetic rubber.
5. The film of claim 1 wherein (B) is a polybutadiene rubber, a polyisoprene rubber, a styrene-butadiene rubber, a styrene-isoprene rubber, a nitrile rubber, a butyl rubber, an ethylene-propylene terpolymer, a silicone rubber, a polyacrylate rubber, an epichlorohydrin rubber, a fluoroelastomer, or a polyurethane.
6. The film of claim 1 wherein (B) is a nitrile rubber.
7. The film of claim 1 wherein (B) is present in an amount of less than 40

parts per hundred parts of (A).

8. The film of claim ~~1~~ further comprising at least one pigment.
9. The film of claim ~~1~~ wherein (C) is present in an amount from about 20 to about 85 parts per hundred parts of (A).
10. A vinyl halide film comprising (A) at least one polyvinyl chloride, (B) at least one non-halogenated rubber polymeric plasticizer and (C) at least one second plasticizer, wherein the film has an elongation of at least about 50%.
11. The film of claim ~~10~~ wherein (B) is a nitrile rubber.
12. The film of claim ~~10~~ wherein (B) is present in an amount of less than 25 parts per hundred parts of (A).
13. The film of claim ~~10~~ further comprising at least one pigment.
14. The film of claim ~~10~~ wherein (C) is present in an amount from about 30 to about 75 parts per hundred parts of (A).
15. An adhesive article comprising a pressure sensitive adhesive layer having a first and second surface, and a vinyl halide film adhered to the first surface of the adhesive layer, wherein the vinyl halide film comprises (A) at least one vinyl halide polymer, (B) at least one non-halogenated polymeric plasticizer and (C) at least one second plasticizer, wherein the

adhesive article has an elongation of at least about 50%.

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16. The adhesive article of claim 15 wherein the vinyl halide polymer (A) is a homopolymer or copolymer of at least one vinyl chloride.
17. The adhesive article of claim 15 wherein (A) is at least one polyvinyl chloride.
- 10 18. The adhesive article of claim 15 wherein the non-halogenated polymeric plasticizer (B) is a natural or synthetic rubber.
- 15 19. The adhesive article of claim 15 wherein (B) is a polybutadiene rubber, a polyisoprene rubber, a styrene-butadiene rubber, a styrene-isoprene rubber, a nitrile rubber, a butyl rubber, an ethylene-propylene terpolymer, a silicone rubber, a polyacrylate rubber, an epichlorohydrin rubber, a fluoroelastomer, or a polyurethane.
- 20 20. The adhesive article of claim 15 wherein (B) is at least one nitrile rubber.
- 20 21. The adhesive article of claim 15 further comprising at least one pigment.
- 25 22. A plastisol, useful for preparing vinyl halide films, comprising (A) at least one vinyl halide polymer, (B) at least one non-halogenated polymeric plasticizer, (C) at least one second plasticizer, and (D) at least one solvent.
23. The plastisol of claim 18 wherein (A) is polyvinyl chloride and (B) is a non-

halogenated rubber polymeric plasticizer.

24. The plastisol of claim 18 further comprising (E) at least one pigment.

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